



MBAS

Monterey Bay Analytical Services

4 Justin Court Suite D, Monterey, CA 93940

831.375.MBAS (6227)

www.MBASinc.com

ELAP Certification Number: 2385

City of San Juan Bautista

DDW

311 2nd St.

San Juan Bautista, CA 95045

Tuesday, April 02, 2019

Lab Number: 190319_16-02

Collection Date/Time: 3/19/2019 10:45

Sample Collector: Madrigal, J

Client Sample #:

Submittal Date/Time: 3/19/2019 12:03

System ID: 3510002

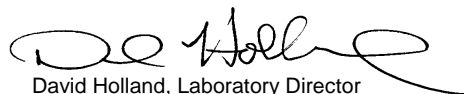
Coliform Designation: Routine

Sample Description: City of San Juan Bautista, 68 Polk St

Analyte	Method	Unit	Result	Qual	Dil.	PQL	Anal. Date	Anal. Time	Analyst
Coliform, E Coli	Colitag-24hr	MPN/100mL	Absent		1	1	3/19/2019	15:30	OW
Coliform, Total	Colitag-24hr	MPN/100mL	Absent		1	1	3/19/2019	15:30	OW
Chlorine Residual (Field)	SM4500-Cl G	mg/L	1.20		1	0.05	3/19/2019	10:45	

Comments:

Report Approved by:


David Holland, Laboratory Director

mg/L : Milligrams per liter (=ppm)

H = Analyzed outside of hold time

MDL = Method Detection Limit

µg/L : Micrograms per liter (=ppb)

E = Analysis performed by External Laboratory; See Report attachments

J = Result is less than PQL

PQL : Practical Quantitation Limit

ND = Non Detect

MCL : Maximum Contamination Level

T = Temperature Exceedance



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ELAP Certification Number: 2385

Tuesday, April 02, 2019

Lab Number: 190319_16-01 Sample Description: City of San Juan Bautista, Well 05

Collection Date/Time: 3/19/2019 10:05 Sample Collector: Madrigal, J Client Sample #:

Submittal Date/Time: 3/19/2019 12:03 System ID: 3510002-009

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Analysis Date / Time	Analyst
Uranium by ICP/MS	EPA200.8	pCi/L	1.88	1	E	0.13	20	3/22/2019 12:00	

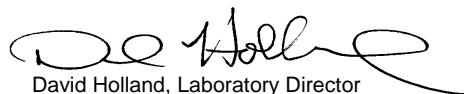
Lab Number: 190319_16-03 Sample Description: City of San Juan Bautista, Well 05

Collection Date/Time: 3/19/2019 11:00 Sample Collector: Madrigal, J Client Sample #:

Submittal Date/Time: 3/19/2019 12:03 System ID: 3510002-009

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Analysis Date / Time	Analyst
Volatile Organic Compounds (DW)	EPA524	µg/L	ND	1	E			3/21/2019 12:00	

Report Approved by:


David Holland, Laboratory Director

mg/L : Milligrams per liter (=ppm)

H = Analyzed outside of hold time

MDL = Method Detection Limit

µg/L : Micrograms per liter (=ppb)

E = Analysis performed by External Laboratory; See Report attachments

J = Result is less than PQL

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Tuesday, April 02, 2019

Sample Condition Upon Receipt

Order ID: 190319_16

Is there evidence of chilling?

Yes (<2 hrs)

*NOTE: Systems are encouraged but not required to hold samples
<10°C (Microbiology) or <6°C (Chemistry) during transit.

Did bottle arrive intact?

Yes

Did bottle labels agree with COC?

Yes

Adequate sample volume?

Yes

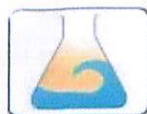
Sample preservative (HNO₃, NaOH, H₂SO₄, Na₂S₂O₃, HCl, Other)

#01 = 250mL pres. w/ 2mL HNO₃,
pH<2 PS

190319-16

Monterey Bay Analytical Services Chain Of Custody / Analysis Request

4 Justin Ct. Suite D • Monterey, Ca 93940 • (831) 375-MBAS (6227) • (831) 641-0734 (Fax)



MBAS

Monterey Bay Analytical Services

Client/Company Name: City of San Juan Bautista		Attention: DDLW		Analysis Requested															
Billing Address: P.O. Box 1420, San Juan Bautista, 95045		Contract/P.O. #:		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Uranium</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOC</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Coliform P/A</div> </div>															
E-Mail Address(es): AllClearWaterServices@yahoo.com		Phone #: 831-537-3057																	
Turn Around Time: STD (7-14 Days) <input checked="" type="checkbox"/> 48-Hour <input type="checkbox"/> 5-Day <input type="checkbox"/> 24-Hour <input checked="" type="checkbox"/> 5 Coliform only		Fax #:																	
Drinking water <input checked="" type="checkbox"/> Wastewater <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Soil <input type="checkbox"/> Sludge <input type="checkbox"/> Other <input type="checkbox"/>																			
Project/System Information: For Regulatory Compliance? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> For State or Local Health Department reporting: Electronic Data Transfer (EDT)? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> System ID Number: 3510002																			
MBAS Lab #	Project ID or Source Code #	Sample Site / Description (Well Name, APN#, Address, Stormdrain #)	Sampling Date	Time	Receiving Temp.	CL2 Residual	Coliform Analysis Routine	Other	Repeat	Special	# Cont.	Container Type	Size						
-01	3510002-009	Well-5 Uranium	3/19/19	10:05	17.8						1	Plas.	250mL	X					
-02		68 Polk ST	3/19/19	10:45	17.9	1.2	X				1	Stenle	120mL			X			
-03	3510002-009	Well-5 VOC	3/19/19	11:00	18.6						3	Glass	40mL		X				
Printed Name			Signature				Date		Time		Comments or Special Instructions:								
Sampled by: Jose Madrigal							3/19/19		11:00		24 hr - Coliform Others - Std. TAT. per Jose (SS)								
Relinquished by: Jose Madrigal							3/19/19		12:00										
Received by:																			
Relinquished by:																			
Received by: Monterey Bay Analytical Services			S. Sugarman				3.19.19		12:03.										

<input type="checkbox"/> Payment received	Check #	Amount:	Receipt #	Date:
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March 25, 2019

Monterey Bay Analytical Services
 4 Justin Court
 Monterey, CA 93940

Lab ID : SP 1903700
 Customer : 2-19144

Laboratory Report

Introduction: This report package contains total of 3 pages divided into 3 sections:

Case Narrative	(1 pages) : An overview of the work performed at FGL.
Sample Results	(1 page) : Results for each sample submitted.
Quality Control	(1 page) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
WELL 05 - RAW	03/19/2019	03/20/2019	SP 1903700-001	DW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived at 6 °C. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.8	03/22/2019:204129 All analysis quality controls are within established criteria
	03/21/2019:203115 All preparation quality controls are within established criteria

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB


Reviewed and
Approved By

Kelly A. Dunnahoo, B.S.



Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2019-03-25

INORGANIC CHEMICALS ANALYSIS

Date of Report : March 25, 2019	Sample ID : SP 1903700-001
Laboratory Name : FGL Environmental	Approved By Kelly A. Dunnahoo, B.S.  Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2019-03-25
Sampled On : 03/19/2019-10:05	
Received On : 03/20/2019-11:00	Sampler : Jose Madrigal
Completed On : 03/22/2019	Employed By : Not Available

System Name : SAN JUAN BAUTISTA, CITY OF Number : 3510002-009 **EDT**
 Name Or Number of Sample Source : WELL 05 - RAW

User ID	: HEN	Station Number	: 3510002-009
Date/Time of Sample	: 1903191005 YYMMDDTTTT	Laboratory Code	: 5 8 6 7
Submitted By	: FGL Environmental	Phone #	: (805) 392-2000

ADDITIONAL INORGANIC

MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
20.0	pCi/L	Uranium	28012	1.88	0.7

MCL - Maximum Contaminant Level, DLR -Detection Limit for Reporting Purpose, ND - Not Detected at or above DLR

March 25, 2019
Monterey Bay Analytical Services

Lab ID : SP 1903700
 Customer : 2-19144

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Uranium	200.8	(CC 1980917-001)	MS	ug/L	5.000	95.0 %	75-125	
			MSD	ug/L	5.000	105 %	75-125	
			MSRPD	ug/L	5.000	9.5%	≤20	
	200.8	03/22/19:204129AC	ICV	ppb	50.00	99.3 %	90-110	
			ICB	ppb		0.001	0.2	
			CCV	ppb	50.00	98.8 %	90-110	
CCB			ppb		0.001	0.2		
Definition								
ICV : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
ICB : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.								
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.								
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.								
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								



www.fglinc.com

CHAIN OF CUSTODY AND ANALYSIS REQUEST DOCUMENT

[illegible]

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93080
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No.1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Condition Upon Receipt (Attach to COC)

Sample Receipt at SP:

1. Number of ice chests/packages received: 1
2. Shipper tracking numbers 544158271
3. Were samples received in a chilled condition?
Temps: 6 / / / / / /
4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
5. Do the number of bottles received agree with the COC? ☒ Yes ☐ No ☐ N/A
6. Verify sample date, time, sampler ☒ Yes ☐ No ☐ N/A
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) ☒ Yes ☐ No
8. Were sample custody seals intact? ☒ Yes ☐ No ☐ N/A

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? ☒ Yes ☐ No
2. Did bottle labels correspond with the client's ID's? ☒ Yes ☐ No
3. Were all bottles requiring sample preservation properly preserved? ☒ Yes ☐ No ☐ N/A FGL
[Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? ☒ Yes ☐ No ☐ N/A
5. Were all analyses within holding times at time of receipt? ☒ Yes ☐ No
6. Have rush or project due dates been checked and accepted? ☒ Yes ☐ No ☐ N/A

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by:

Reviewed and
Approved By

Inez Covarrubias



Digitally signed by Inez Covarrubias
Title: Sample Receiving
Date: 03/25/2019-12:47:28

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: David Holland Phone Number: 831-375-6227
Initiated By: Inez Covarrubias Date: 2019-03-20
Problem:

Resolution: **David Holland was called to clarify if he was requesting Uranium by 908.0 or 200.8. Per David Holland 200.8 (what ever is cheapest)**

2. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem:

Resolution:

(2019144)
Monterey Bay Analytical Services
SP 1903700

IV/AB-03/25/2019-12:47:28



BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)
559-485-6935 (FAX)

A9C2163

4/02/2019

Invoice: A908619

David Holland
Monterey Bay Analytical
4 Justin Court Suite D
Monterey, CA 93940

RE: Report for A9C2163 General EDT

Dear David Holland,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 3/20/2019. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Project Manager, Jaime Lee LaFave, at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Jaime Lee LaFave, Project Manager



Accredited in Accordance with NELAP
ORELAP #4021-009

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A9C2163 FINAL 04022019 1533

Case Narrative

Project and Report Details

Client: Monterey Bay Analytical
Report To: David Holland
Project #: San Juan Bautista
Received: 3/20/2019 - 10:25
Report Due: 4/03/2019

Invoice Details

Invoice To: Monterey Bay Analytical
Invoice Attn: David Holland
Project PO#: -

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 1.8

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Packing Material - Other
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

MS1.0 Matrix spike recoveries exceed control limits.
MS1.1 Matrix spike recovery exceeds upper control limit. Reported results for parent matrix should be considered estimated due to matrix interferences.

Report Distribution

Recipient(s)	Report Format	CC:
David Holland	FINAL.RPT	
David Holland	WRITEON.RPT	
Monterey Bay Analytical Services	FINAL.RPT	
Monterey Bay Analytical Services	WRITEON.RPT	

**A9C2163****General EDT**

San Juan Bautista

Certificate of Analysis**Sample ID:** A9C2163-01**Sampled By:** Jose Madrigal**Sample Description:** Well - 05 // 190319_16-03**Sample Date - Time:** 03/19/19 - 11:00**Matrix:** Drinking Water**Sample Type:** Grab**BSK Associates Laboratory Fresno****Organics**

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>Volatile Organics by GC-MS</u>									
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	A903879	03/21/19	03/21/19	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,1-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,2,3-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,2,4-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,3,5-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,3-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,3-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
2,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
2-Butanone	EPA 524.2	ND	5.0	ug/L	1	A903879	03/21/19	03/21/19	
2-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
2-Hexanone	EPA 524.2	ND	10	ug/L	1	A903879	03/21/19	03/21/19	
4-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
4-Methyl-2-pentanone	EPA 524.2	ND	5.0	ug/L	1	A903879	03/21/19	03/21/19	
Acetone	EPA 524.2	ND	10	ug/L	1	A903879	03/21/19	03/21/19	
Benzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Bromobenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Bromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Bromodichloromethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Bromoform	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Bromomethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Chloroethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Chloroform	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Chloromethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Dibromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Dibromomethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Dichlorodifluoromethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Di-isopropyl ether (DIPE)	EPA 524.2	ND	3.0	ug/L	1	A903879	03/21/19	03/21/19	

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A9C2163 FINAL 04022019 1533

**A9C2163****General EDT**

San Juan Bautista

Certificate of Analysis**Sample ID:** A9C2163-01**Sampled By:** Jose Madrigal**Sample Description:** Well - 05 // 190319_16-03**Sample Date - Time:** 03/19/19 - 11:00**Matrix:** Drinking Water**Sample Type:** Grab**Organics**

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>Volatile Organics by GC-MS</u>									
Ethyl tert-Butyl Ether (ETBE)	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Hexachlorobutadiene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Isopropylbenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Naphthalene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
n-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
n-Propylbenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
p-Isopropyltoluene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
sec-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Styrene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
tert-Amyl Methyl Ether (TAME)	EPA 524.2	ND	3.0	ug/L	1	A903879	03/21/19	03/21/19	
tert-Butyl alcohol (TBA)	EPA 524.2	ND	2.0	ug/L	1	A903879	03/21/19	03/21/19	
tert-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Toluene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	A903879	03/21/19	03/21/19	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	A903879	03/21/19	03/21/19	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	92 %	Acceptable range: 70-130 %						
Surrogate: Bromofluorobenzene	EPA 524.2	106 %	Acceptable range: 70-130 %						
Total 1,3-Dichloropropene		ND	0.50	ug/L					
Total Trihalomethanes		ND	0.50	ug/L					
Total Xylenes, EPA 524.2		ND	0.50	ug/L					

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A9C2163 FINAL 04022019 1533

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A903879

Prepared: 3/21/2019

Prep Method: EPA 524.2

Analyst: ANM

Blank (A903879-BLK1)

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							03/21/19	
1,1,1-Trichloroethane	ND	0.50	ug/L							03/21/19	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							03/21/19	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	ug/L							03/21/19	
1,1,2-Trichloroethane	ND	0.50	ug/L							03/21/19	
1,1-Dichloroethane	ND	0.50	ug/L							03/21/19	
1,1-Dichloroethene	ND	0.50	ug/L							03/21/19	
1,1-Dichloropropene	ND	0.50	ug/L							03/21/19	
1,2,3-Trichlorobenzene	ND	0.50	ug/L							03/21/19	
1,2,4-Trichlorobenzene	ND	0.50	ug/L							03/21/19	
1,2,4-Trimethylbenzene	ND	0.50	ug/L							03/21/19	
1,2-Dichlorobenzene	ND	0.50	ug/L							03/21/19	
1,2-Dichloroethane	ND	0.50	ug/L							03/21/19	
1,2-Dichloropropane	ND	0.50	ug/L							03/21/19	
1,3,5-Trimethylbenzene	ND	0.50	ug/L							03/21/19	
1,3-Dichlorobenzene	ND	0.50	ug/L							03/21/19	
1,3-Dichloropropane	ND	0.50	ug/L							03/21/19	
1,4-Dichlorobenzene	ND	0.50	ug/L							03/21/19	
2,2-Dichloropropane	ND	0.50	ug/L							03/21/19	
2-Butanone	ND	5.0	ug/L							03/21/19	
2-Chlorotoluene	ND	0.50	ug/L							03/21/19	
2-Hexanone	ND	10	ug/L							03/21/19	
4-Chlorotoluene	ND	0.50	ug/L							03/21/19	
4-Methyl-2-pentanone	ND	5.0	ug/L							03/21/19	
Acetone	ND	10	ug/L							03/21/19	
Benzene	ND	0.50	ug/L							03/21/19	
Bromobenzene	ND	0.50	ug/L							03/21/19	
Bromochloromethane	ND	0.50	ug/L							03/21/19	
Bromodichloromethane	ND	0.50	ug/L							03/21/19	
Bromoform	ND	0.50	ug/L							03/21/19	
Bromomethane	ND	0.50	ug/L							03/21/19	
Carbon Tetrachloride	ND	0.50	ug/L							03/21/19	
Chlorobenzene	ND	0.50	ug/L							03/21/19	
Chloroethane	ND	0.50	ug/L							03/21/19	
Chloroform	ND	0.50	ug/L							03/21/19	
Chloromethane	ND	0.50	ug/L							03/21/19	
cis-1,2-Dichloroethene	ND	0.50	ug/L							03/21/19	
cis-1,3-Dichloropropene	ND	0.50	ug/L							03/21/19	
Dibromochloromethane	ND	0.50	ug/L							03/21/19	
Dibromomethane	ND	0.50	ug/L							03/21/19	
Dichlorodifluoromethane	ND	0.50	ug/L							03/21/19	
Dichloromethane	ND	0.50	ug/L							03/21/19	
Di-isopropyl ether (DIPE)	ND	3.0	ug/L							03/21/19	

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A9C2163 FINAL 04022019 1533

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A903879

Prepared: 3/21/2019

Prep Method: EPA 524.2

Analyst: ANM

Blank (A903879-BLK1)

Ethyl tert-Butyl Ether (ETBE)	ND	0.50	ug/L							03/21/19	
Ethylbenzene	ND	0.50	ug/L							03/21/19	
Hexachlorobutadiene	ND	0.50	ug/L							03/21/19	
Isopropylbenzene	ND	0.50	ug/L							03/21/19	
m,p-Xylenes	ND	0.50	ug/L							03/21/19	
Methyl-t-butyl ether	ND	0.50	ug/L							03/21/19	
Naphthalene	ND	0.50	ug/L							03/21/19	
n-Butylbenzene	ND	0.50	ug/L							03/21/19	
n-Propylbenzene	ND	0.50	ug/L							03/21/19	
o-Xylene	ND	0.50	ug/L							03/21/19	
p-Isopropyltoluene	ND	0.50	ug/L							03/21/19	
sec-Butylbenzene	ND	0.50	ug/L							03/21/19	
Styrene	ND	0.50	ug/L							03/21/19	
tert-Amyl Methyl Ether (TAME)	ND	3.0	ug/L							03/21/19	
tert-Butyl alcohol (TBA)	ND	2.0	ug/L							03/21/19	
tert-Butylbenzene	ND	0.50	ug/L							03/21/19	
Tetrachloroethene (PCE)	ND	0.50	ug/L							03/21/19	
Toluene	ND	0.50	ug/L							03/21/19	
trans-1,2-Dichloroethene	ND	0.50	ug/L							03/21/19	
trans-1,3-Dichloropropene	ND	0.50	ug/L							03/21/19	
Trichloroethene (TCE)	ND	0.50	ug/L							03/21/19	
Trichlorofluoromethane	ND	5.0	ug/L							03/21/19	
Vinyl Chloride	ND	0.50	ug/L							03/21/19	
Surrogate: 1,2-Dichlorobenzene-d4	46			50		93	70-130			03/21/19	
Surrogate: Bromofluorobenzene	50			50		100	70-130			03/21/19	

Blank Spike (A903879-BS1)

1,1,1,2-Tetrachloroethane	11	0.50	ug/L	10	ND	105	70-130			03/21/19	
1,1,1-Trichloroethane	11	0.50	ug/L	10	ND	108	70-130			03/21/19	
1,1,2,2-Tetrachloroethane	11	0.50	ug/L	10	ND	105	70-130			03/21/19	
1,1,2-Trichloro-1,2,2-trifluoroethane	12	10	ug/L	10	ND	118	70-130			03/21/19	
1,1,2-Trichloroethane	11	0.50	ug/L	10	ND	107	70-130			03/21/19	
1,1-Dichloroethane	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
1,1-Dichloroethene	11	0.50	ug/L	10	ND	109	70-130			03/21/19	
1,1-Dichloropropene	11	0.50	ug/L	10	ND	110	70-130			03/21/19	
1,2,3-Trichlorobenzene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
1,2,4-Trichlorobenzene	11	0.50	ug/L	10	ND	107	70-130			03/21/19	
1,2,4-Trimethylbenzene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
1,2-Dichlorobenzene	10	0.50	ug/L	10	ND	104	70-130			03/21/19	
1,2-Dichloroethane	11	0.50	ug/L	10	ND	107	70-130			03/21/19	
1,2-Dichloropropane	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
1,3,5-Trimethylbenzene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
1,3-Dichlorobenzene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	

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A9C2163 FINAL 04022019 1533

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A903879

Prepared: 3/21/2019

Prep Method: EPA 524.2

Analyst: ANM

Blank Spike (A903879-BS1)

1,3-Dichloropropane	11	0.50	ug/L	10	ND	105	70-130			03/21/19	
1,4-Dichlorobenzene	10	0.50	ug/L	10	ND	105	70-130			03/21/19	
2,2-Dichloropropane	12	0.50	ug/L	10	ND	116	70-130			03/21/19	
2-Butanone	10	5.0	ug/L	10	ND	102	70-130			03/21/19	
2-Chlorotoluene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
2-Hexanone	11	10	ug/L	10	ND	105	70-130			03/21/19	
4-Chlorotoluene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
4-Methyl-2-pentanone	11	5.0	ug/L	10	ND	108	70-130			03/21/19	
Acetone	10	10	ug/L	10	ND	103	70-130			03/21/19	
Benzene	10	0.50	ug/L	10	ND	105	70-130			03/21/19	
Bromobenzene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
Bromochloromethane	10	0.50	ug/L	10	ND	104	70-130			03/21/19	
Bromodichloromethane	11	0.50	ug/L	10	ND	105	70-130			03/21/19	
Bromoform	10	0.50	ug/L	10	ND	103	70-130			03/21/19	
Bromomethane	9.6	0.50	ug/L	10	ND	96	70-130			03/21/19	
Carbon disulfide	11	10	ug/L	10	ND	106	70-130			03/21/19	
Carbon Tetrachloride	11	0.50	ug/L	10	ND	109	70-130			03/21/19	
Chlorobenzene	10	0.50	ug/L	10	ND	105	70-130			03/21/19	
Chloroethane	11	0.50	ug/L	10	ND	109	70-130			03/21/19	
Chloroform	10	0.50	ug/L	10	ND	101	70-130			03/21/19	
Chloromethane	10	0.50	ug/L	10	ND	103	70-130			03/21/19	
cis-1,2-Dichloroethene	10	0.50	ug/L	10	ND	104	70-130			03/21/19	
cis-1,3-Dichloropropene	11	0.50	ug/L	10	ND	107	70-130			03/21/19	
Dibromochloromethane	11	0.50	ug/L	10	ND	109	70-130			03/21/19	
Dibromomethane	10	0.50	ug/L	10	ND	105	70-130			03/21/19	
Dichlorodifluoromethane	11	0.50	ug/L	10	ND	110	70-130			03/21/19	
Dichloromethane	11	0.50	ug/L	10	ND	114	70-130			03/21/19	
Di-isopropyl ether (DIPE)	11	3.0	ug/L	10	ND	107	70-130			03/21/19	
Ethyl tert-Butyl Ether (ETBE)	11	0.50	ug/L	10	ND	108	70-130			03/21/19	
Ethylbenzene	10	0.50	ug/L	10	ND	105	70-130			03/21/19	
Hexachlorobutadiene	11	0.50	ug/L	10	ND	110	70-130			03/21/19	
Isopropylbenzene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
m,p-Xylenes	22	0.50	ug/L	20	ND	109	70-130			03/21/19	
Methyl-t-butyl ether	21	0.50	ug/L	20	ND	105	70-130			03/21/19	
Naphthalene	11	0.50	ug/L	10	ND	107	70-130			03/21/19	
n-Butylbenzene	11	0.50	ug/L	10	ND	108	70-130			03/21/19	
n-Propylbenzene	11	0.50	ug/L	10	ND	108	70-130			03/21/19	
o-Xylene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
p-Isopropyltoluene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
sec-Butylbenzene	11	0.50	ug/L	10	ND	107	70-130			03/21/19	
Styrene	10	0.50	ug/L	10	ND	104	70-130			03/21/19	
tert-Amyl Methyl Ether (TAME)	10	3.0	ug/L	10	ND	102	70-130			03/21/19	
tert-Butyl alcohol (TBA)	8.3	2.0	ug/L	10	ND	83	70-130			03/21/19	

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A9C2163 FINAL 04022019 1533

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A903879

Prepared: 3/21/2019

Prep Method: EPA 524.2

Analyst: ANM

Blank Spike (A903879-BS1)

tert-Butylbenzene	12	0.50	ug/L	10	ND	122	70-130			03/21/19	
Tetrachloroethene (PCE)	11	0.50	ug/L	10	ND	107	70-130			03/21/19	
Toluene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
trans-1,2-Dichloroethene	11	0.50	ug/L	10	ND	108	70-130			03/21/19	
trans-1,3-Dichloropropene	11	0.50	ug/L	10	ND	106	70-130			03/21/19	
Trichloroethene (TCE)	11	0.50	ug/L	10	ND	107	70-130			03/21/19	
Trichlorofluoromethane	10	5.0	ug/L	10	ND	100	70-130			03/21/19	
Vinyl Chloride	13	0.50	ug/L	10	ND	127	70-130			03/21/19	
Surrogate: 1,2-Dichlorobenzene-d4	46			50		93	70-130			03/21/19	
Surrogate: Bromofluorobenzene	47			50		95	70-130			03/21/19	

Blank Spike Dup (A903879-BSD1)

1,1,1,2-Tetrachloroethane	11	0.50	ug/L	10	ND	106	70-130	1	30	03/21/19	
1,1,1-Trichloroethane	11	0.50	ug/L	10	ND	106	70-130	3	30	03/21/19	
1,1,2,2-Tetrachloroethane	11	0.50	ug/L	10	ND	107	70-130	2	30	03/21/19	
1,1,2-Trichloro-1,2,2-trifluoroethane	12	10	ug/L	10	ND	122	70-130	3	30	03/21/19	
1,1,2-Trichloroethane	11	0.50	ug/L	10	ND	109	70-130	2	30	03/21/19	
1,1-Dichloroethane	10	0.50	ug/L	10	ND	104	70-130	2	30	03/21/19	
1,1-Dichloroethene	11	0.50	ug/L	10	ND	106	70-130	4	30	03/21/19	
1,1-Dichloropropene	11	0.50	ug/L	10	ND	107	70-130	3	30	03/21/19	
1,2,3-Trichlorobenzene	11	0.50	ug/L	10	ND	109	70-130	3	30	03/21/19	
1,2,4-Trichlorobenzene	11	0.50	ug/L	10	ND	110	70-130	2	30	03/21/19	
1,2,4-Trimethylbenzene	11	0.50	ug/L	10	ND	110	70-130	4	30	03/21/19	
1,2-Dichlorobenzene	11	0.50	ug/L	10	ND	109	70-130	5	30	03/21/19	
1,2-Dichloroethane	11	0.50	ug/L	10	ND	106	70-130	1	30	03/21/19	
1,2-Dichloropropane	11	0.50	ug/L	10	ND	106	70-130	0	30	03/21/19	
1,3,5-Trimethylbenzene	11	0.50	ug/L	10	ND	108	70-130	2	30	03/21/19	
1,3-Dichlorobenzene	11	0.50	ug/L	10	ND	108	70-130	2	30	03/21/19	
1,3-Dichloropropane	11	0.50	ug/L	10	ND	108	70-130	2	30	03/21/19	
1,4-Dichlorobenzene	11	0.50	ug/L	10	ND	108	70-130	3	30	03/21/19	
2,2-Dichloropropane	11	0.50	ug/L	10	ND	110	70-130	5	30	03/21/19	
2-Butanone	9.9	5.0	ug/L	10	ND	99	70-130	3	30	03/21/19	
2-Chlorotoluene	11	0.50	ug/L	10	ND	110	70-130	4	30	03/21/19	
2-Hexanone	11	10	ug/L	10	ND	105	70-130	0	30	03/21/19	
4-Chlorotoluene	11	0.50	ug/L	10	ND	110	70-130	4	30	03/21/19	
4-Methyl-2-pentanone	11	5.0	ug/L	10	ND	108	70-130	0	30	03/21/19	
Acetone	10	10	ug/L	10	ND	101	70-130	2	30	03/21/19	
Benzene	10	0.50	ug/L	10	ND	103	70-130	2	30	03/21/19	
Bromobenzene	11	0.50	ug/L	10	ND	111	70-130	5	30	03/21/19	
Bromochloromethane	10	0.50	ug/L	10	ND	104	70-130	0	30	03/21/19	
Bromodichloromethane	11	0.50	ug/L	10	ND	106	70-130	1	30	03/21/19	
Bromoform	11	0.50	ug/L	10	ND	106	70-130	2	30	03/21/19	
Bromomethane	9.5	0.50	ug/L	10	ND	95	70-130	1	30	03/21/19	

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A9C2163 FINAL 04022019 1533

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A903879

Prepared: 3/21/2019

Prep Method: EPA 524.2

Analyst: ANM

Blank Spike Dup (A903879-BSD1)

Carbon disulfide	9.9	10	ug/L	10	ND	99	70-130	7	30	03/21/19	
Carbon Tetrachloride	11	0.50	ug/L	10	ND	106	70-130	2	30	03/21/19	
Chlorobenzene	11	0.50	ug/L	10	ND	107	70-130	2	30	03/21/19	
Chloroethane	9.4	0.50	ug/L	10	ND	94	70-130	15	30	03/21/19	
Chloroform	10	0.50	ug/L	10	ND	100	70-130	2	30	03/21/19	
Chloromethane	11	0.50	ug/L	10	ND	109	70-130	5	30	03/21/19	
cis-1,2-Dichloroethene	10	0.50	ug/L	10	ND	103	70-130	1	30	03/21/19	
cis-1,3-Dichloropropene	11	0.50	ug/L	10	ND	107	70-130	1	30	03/21/19	
Dibromochloromethane	11	0.50	ug/L	10	ND	106	70-130	2	30	03/21/19	
Dibromomethane	11	0.50	ug/L	10	ND	107	70-130	2	30	03/21/19	
Dichlorodifluoromethane	10	0.50	ug/L	10	ND	100	70-130	10	30	03/21/19	
Dichloromethane	10	0.50	ug/L	10	ND	104	70-130	9	30	03/21/19	
Di-isopropyl ether (DIPE)	11	3.0	ug/L	10	ND	107	70-130	1	30	03/21/19	
Ethyl tert-Butyl Ether (ETBE)	11	0.50	ug/L	10	ND	107	70-130	1	30	03/21/19	
Ethylbenzene	11	0.50	ug/L	10	ND	107	70-130	2	30	03/21/19	
Hexachlorobutadiene	11	0.50	ug/L	10	ND	110	70-130	0	30	03/21/19	
Isopropylbenzene	11	0.50	ug/L	10	ND	106	70-130	0	30	03/21/19	
m,p-Xylenes	22	0.50	ug/L	20	ND	110	70-130	1	30	03/21/19	
Methyl-t-butyl ether	21	0.50	ug/L	20	ND	104	70-130	1	30	03/21/19	
Naphthalene	11	0.50	ug/L	10	ND	108	70-130	1	30	03/21/19	
n-Butylbenzene	11	0.50	ug/L	10	ND	111	70-130	3	30	03/21/19	
n-Propylbenzene	11	0.50	ug/L	10	ND	109	70-130	1	30	03/21/19	
o-Xylene	11	0.50	ug/L	10	ND	109	70-130	3	30	03/21/19	
p-Isopropyltoluene	11	0.50	ug/L	10	ND	108	70-130	2	30	03/21/19	
sec-Butylbenzene	11	0.50	ug/L	10	ND	109	70-130	2	30	03/21/19	
Styrene	11	0.50	ug/L	10	ND	108	70-130	3	30	03/21/19	
tert-Amyl Methyl Ether (TAME)	9.9	3.0	ug/L	10	ND	99	70-130	3	30	03/21/19	
tert-Butyl alcohol (TBA)	7.8	2.0	ug/L	10	ND	78	70-130	7	30	03/21/19	
tert-Butylbenzene	12	0.50	ug/L	10	ND	120	70-130	1	30	03/21/19	
Tetrachloroethene (PCE)	11	0.50	ug/L	10	ND	106	70-130	1	30	03/21/19	
Toluene	11	0.50	ug/L	10	ND	106	70-130	0	30	03/21/19	
trans-1,2-Dichloroethene	10	0.50	ug/L	10	ND	105	70-130	3	30	03/21/19	
trans-1,3-Dichloropropene	11	0.50	ug/L	10	ND	109	70-130	3	30	03/21/19	
Trichloroethene (TCE)	10	0.50	ug/L	10	ND	105	70-130	2	30	03/21/19	
Trichlorofluoromethane	9.9	5.0	ug/L	10	ND	99	70-130	1	30	03/21/19	
Vinyl Chloride	11	0.50	ug/L	10	ND	107	70-130	17	30	03/21/19	
Surrogate: 1,2-Dichlorobenzene-d4	49			50		97	70-130			03/21/19	
Surrogate: Bromofluorobenzene	51			50		102	70-130			03/21/19	

Matrix Spike (A903879-MS1), Source: A9C1872-01

1,1,1,2-Tetrachloroethane	10	0.50	ug/L	10	ND	104	41-156			03/22/19	
1,1,1-Trichloroethane	11	0.50	ug/L	10	ND	113	48-160			03/22/19	
1,1,2,2-Tetrachloroethane	11	0.50	ug/L	10	ND	109	42-151			03/22/19	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A9C2163 FINAL 04022019 1533

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A903879

Prepared: 3/21/2019

Prep Method: EPA 524.2

Analyst: ANM

Matrix Spike (A903879-MS1), Source: A9C1872-01

1,1,2-Trichloro-1,2,2-trifluoroethane	12	10	ug/L	10	ND	119	47-164			03/22/19	
1,1,2-Trichloroethane	10	0.50	ug/L	10	ND	104	45-152			03/22/19	
1,1-Dichloroethane	11	0.50	ug/L	10	ND	109	48-157			03/22/19	
1,1-Dichloroethene	10	0.50	ug/L	10	ND	105	51-158			03/22/19	
1,1-Dichloropropene	7.1	0.50	ug/L	10	ND	71	46-162			03/22/19	
1,2,3-Trichlorobenzene	10	0.50	ug/L	10	ND	100	37-145			03/22/19	
1,2,4-Trichlorobenzene	9.9	0.50	ug/L	10	ND	99	33-149			03/22/19	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	10	ND	0	44-146			03/22/19	MS1.0 Low
1,2-Dichlorobenzene	9.9	0.50	ug/L	10	ND	99	44-146			03/22/19	
1,2-Dichloroethane	11	0.50	ug/L	10	ND	106	47-151			03/22/19	
1,2-Dichloropropane	11	0.50	ug/L	10	ND	108	47-155			03/22/19	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	10	ND	0	45-154			03/22/19	MS1.1 Low
1,3-Dichlorobenzene	10	0.50	ug/L	10	ND	103	44-146			03/22/19	
1,3-Dichloropropane	10	0.50	ug/L	10	ND	102	45-151			03/22/19	
1,4-Dichlorobenzene	10	0.50	ug/L	10	ND	100	43-146			03/22/19	
2,2-Dichloropropane	10	0.50	ug/L	10	ND	105	24-182			03/22/19	
2-Butanone	8.9	5.0	ug/L	10	ND	89	55-144			03/22/19	
2-Chlorotoluene	13	0.50	ug/L	10	ND	131	48-150			03/22/19	
2-Hexanone	9.3	10	ug/L	10	ND	93	40-159			03/22/19	
4-Chlorotoluene	11	0.50	ug/L	10	ND	107	43-150			03/22/19	
4-Methyl-2-pentanone	9.9	5.0	ug/L	10	ND	99	30-171			03/22/19	
Acetone	7.8	10	ug/L	10	ND	78	27-181			03/22/19	
Benzene	11	0.50	ug/L	10	ND	107	48-155			03/22/19	
Bromobenzene	12	0.50	ug/L	10	ND	118	43-151			03/22/19	
Bromochloromethane	10	0.50	ug/L	10	ND	103	48-161			03/22/19	
Bromodichloromethane	11	0.50	ug/L	10	ND	107	47-151			03/22/19	
Bromoform	13	0.50	ug/L	10	2.7	99	29-162			03/22/19	
Bromomethane	6.3	0.50	ug/L	10	ND	63	10-200			03/22/19	
Carbon disulfide	11	10	ug/L	10	ND	111	57-161			03/22/19	
Carbon Tetrachloride	11	0.50	ug/L	10	ND	115	47-163			03/22/19	
Chlorobenzene	10	0.50	ug/L	10	ND	105	46-152			03/22/19	
Chloroethane	11	0.50	ug/L	10	ND	114	28-189			03/22/19	
Chloroform	9.0	0.50	ug/L	10	ND	90	52-148			03/22/19	
Chloromethane	14	0.50	ug/L	10	ND	138	53-159			03/22/19	
cis-1,2-Dichloroethene	12	0.50	ug/L	10	1.2	106	50-152			03/22/19	
cis-1,3-Dichloropropene	9.1	0.50	ug/L	10	ND	91	34-156			03/22/19	
Dibromochloromethane	11	0.50	ug/L	10	1.2	102	44-149			03/22/19	
Dibromomethane	10	0.50	ug/L	10	ND	103	46-150			03/22/19	
Dichlorodifluoromethane	12	0.50	ug/L	10	ND	120	33-170			03/22/19	
Dichloromethane	11	0.50	ug/L	10	ND	112	47-156			03/22/19	
Di-isopropyl ether (DIPE)	11	3.0	ug/L	10	ND	106	41-159			03/22/19	
Ethyl tert-Butyl Ether (ETBE)	10	0.50	ug/L	10	ND	104	32-160			03/22/19	
Ethylbenzene	8.5	0.50	ug/L	10	ND	85	40-157			03/22/19	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A903879

Prepared: 3/21/2019

Prep Method: EPA 524.2

Analyst: ANM

Matrix Spike (A903879-MS1), Source: A9C1872-01

Hexachlorobutadiene	11	0.50	ug/L	10	ND	107	38-151			03/22/19	
Isopropylbenzene	9.7	0.50	ug/L	10	ND	97	41-156			03/22/19	
m,p-Xylenes	1.8	0.50	ug/L	20	ND	9	49-154			03/22/19	MS1.1 Low
Methyl-t-butyl ether	20	0.50	ug/L	20	ND	102	41-156			03/22/19	
Naphthalene	ND	0.50	ug/L	10	ND	0	35-154			03/22/19	MS1.1 Low
n-Butylbenzene	8.3	0.50	ug/L	10	ND	83	31-153			03/22/19	
n-Propylbenzene	9.3	0.50	ug/L	10	ND	93	39-156			03/22/19	
o-Xylene	2.0	0.50	ug/L	10	ND	20	27-164			03/22/19	MS1.1 Low
p-Isopropyltoluene	2.5	0.50	ug/L	10	ND	25	26-161			03/22/19	MS1.1 Low
sec-Butylbenzene	9.2	0.50	ug/L	10	ND	92	39-154			03/22/19	
Styrene	ND	0.50	ug/L	10	ND	0	10-200			03/22/19	MS1.1 Low
tert-Amyl Methyl Ether (TAME)	9.4	3.0	ug/L	10	ND	94	24-161			03/22/19	
tert-Butyl alcohol (TBA)	10	2.0	ug/L	10	ND	102	22-174			03/22/19	
tert-Butylbenzene	12	0.50	ug/L	10	ND	119	40-153			03/22/19	
Tetrachloroethene (PCE)	11	0.50	ug/L	10	ND	109	48-155			03/22/19	
Toluene	8.1	0.50	ug/L	10	ND	81	40-159			03/22/19	
trans-1,2-Dichloroethene	11	0.50	ug/L	10	ND	112	52-157			03/22/19	
trans-1,3-Dichloropropene	9.0	0.50	ug/L	10	ND	90	28-160			03/22/19	
Trichloroethene (TCE)	11	0.50	ug/L	10	0.56	109	49-155			03/22/19	
Trichlorofluoromethane	11	5.0	ug/L	10	ND	112	47-169			03/22/19	
Vinyl Chloride	3.0	0.50	ug/L	10	ND	30	21-183			03/22/19	
Surrogate: 1,2-Dichlorobenzene-d4	45			50		90	70-130			03/22/19	
Surrogate: Bromofluorobenzene	51			50		103	70-130			03/22/19	

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected below MRL/MDL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit	U:	The analyte was not detected at or above the reported sample quantitation limit.

Please see the individual Subcontract Lab's report for applicable certifications.

BSK is not accredited under the NELAP program for the following parameters:

****NA****

Certificate of Analysis

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

Fresno

State of California - ELAP	1180	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-011
State of Nevada	CA000792019-1	State of Oregon - NELAP	4021-011
EPA - UCMR4	CA00079	State of Washington	C997-18

Sacramento

State of California - ELAP	2435
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San Bernardino

State of California - ELAP	2993	Los Angeles CSD	9254478
NELAP certified	4119-003	State of Oregon - NELAP	4119-003

Vancouver

NELAP certified	WA100008-011	State of Oregon - NELAP	WA100008-011
State of Washington	C824-18b		



A9C2163



03202019

Monte6227

Turnaround: Standard

Due Date: 4/3/2019



Monterey Bay Analytical



Printed: 3/20/2019 6:45:44PM

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Sample Integrity



BSK Bottles: Yes No

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COC Info	Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$	Yes	No	NA	Were correct containers and preservatives received for the tests requested?	Yes	No	NA
	If samples were taken today, is there evidence that chilling has begun?	Yes	No	NA	Bubbles Present VOAs (524.2/TCP/TTHM)?	Yes	No	NA
	Did all bottles arrive unbroken and intact?	Yes	No		TB Received? (Check Method Below)	Yes	No	NA
	Did all bottle labels agree with COC?	Yes	No		Was a sufficient amount of sample received?	Yes	No	
	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes	No	NA	Do samples have a hold time <72 hours?	Yes	No	
Bottles Received	250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?		PM:	By/Time:		
	Bacti Na ₂ S ₂ O ₃	—	—					
	None (P) White Cap	—	—					
	Cr6 (P) Lt. Green Label/Blue Cap NIMCHIN/HES04 DW	CL pH > 8	P F					
	Cr6 (P) Pink Label/Blue Cap NIMCHIN/HES04 WW	pH 9.3-9.7	P F					
	Cr6 (P) Pink Label/Blue Cap NIMCHIN/HES04 2199	pH 9.2-9.5	P F					
	HNO ₃ (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label	—	—					
	H ₂ SO ₄ (P) or (AG) Yellow Cap/Label	pH < 2	P F					
	NaOH (P) Green Cap	Cl, pH > 10	P F					
	NaOH + ZnAc (P)	pH > 9	P F					
	Dissolved Oxygen 300ml (g)	—	—					
	None (AG) 608/8081/8082, 625, 832/8321, 8151, 8270	—	—					
	HCl (AG) Lt. Blue Label O&G, Diesel, TCP	—	—					
	Ascorbic, EDTA, KH ₂ Ct (AG) Pink Label 525	—	—					
	Na ₂ SO ₃ 250mL (AG) Neon Green Label 515	—	—					
	Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549	—	—					
	Na ₂ S ₂ O ₃ (AG) Blue Label 548, TTHM, 524	—	—					
	Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547	—	—					
	Na ₂ S ₂ O ₃ + MCAA (CG) Orange Label 531	pH < 3	P F					
	NH ₄ Cl (AG) Purple Label 552	—	—					
	EDA (AG) Brown Label DBPs	—	—					
	HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624	—	—					
	Buffer pH 4 (CG)	—	—					
	H ₃ PO ₄ (CG) Salmon Label	—	—					
	Other:							
	Asbestos 1L (P) w/ Foil / LL Metals Bottle	—	—					
	Bottled Water	—	—					
	Clear Glass 250mL / 500mL / 1 Liter	—	—					
Solids: Brass / Steel / Plastic Bag	—	—						
Split	Container	Preservative	Date/Time/Initials	Container	Preservative	Date/Time/Initials		
	S P			S P				
	S P			S P				
Comments	✓ Indicates Blanks Received 504 ___ 524.2 ___ TCP ___ TTHM ___ 537 ___ 8260/624 ___							

Labeled by: JR @ 1355

Labels checked by: ER @ 1905

RUSH Paged by: @